

# PACIFIC GAS AND ELECTRIC COMPANY

PGE + 245 MARKET STREET • SAN FRANCISCO, CALIFORNIA 94106 • (415) 781-4211 • TWX 910-372-6587

February 9, 1987

Local Union No. 1245  
International Brotherhood of  
Electrical Workers, AFL-CIO  
P. O. Box 4790  
Walnut Creek, California 94596

Attention: Mr. Jack McNally, Business Manager

Gentlemen:

Pursuant to Subsection 204.4(b) of the Physical Agreement, Company proposes to establish a new position, wage rate, and line of progression in the Electric Meter Shop as follows:

2411 METERING ELECTRONICS TECHNICIAN

An employee who is permanently assigned to and normally works in a system meter test and repair facility without direct supervision and regularly performs product analysis, testing, calibrating and repair of electronic circuits and components related to metering equipment and associated systems. The background of training and experience must be such as to qualify the employee to perform these duties with skill and efficiency.

Note: A test and study guide have been established by written agreement between Company and Union (LA 86-78-PGE) under the provisions of Section 205.11. The successful bidder, applicant, or new hire shall be required to pass the test. A total score of 70 percent is necessary to meet this test requirement. This test will only apply in the event that there are no qualified bidders from the established line of progression for this position.

Next Lower Classification

2421 Appr. Metering Electronics  
Tech.

Same or Higher Classifications

0760 Electric Meter Crew Foreman  
2411 Metering Electronics Tech.  
2422 Un. Metering Electronics Tech.

Wage Rate

\$770.00

2421 APPRENTICE METERING ELECTRONICS TECHNICIAN

An employee engaged in performing Metering Electronics Technician's work as an assistant to or under the general direction of a technician. To gain experience for advancement to Metering Electronics Technician, an apprentice may work alone or under indirect supervision on jobs for which the employee has been trained and instructed. The employee's educational and general qualifications must be such that the employee is considered capable of attaining technician status.

Next Lower Classification

Same or Higher Classifications

1488 Appr. Meterman  
(2-year step or above)

0760 Electric Meter Crew Foreman  
1480 Senior Meterman  
2421 Appr. Metering Electronics  
Tech.

A Senior Meterman or Electric Meter Crew Foreman who is the successful bidder on a vacancy in the Apprentice Metering Electronics Technician classification will be placed at the wage rate step applicable at the end of 18 months. Such employee will not have subsequent bids on Metering Electronics Technician vacancies considered under Subsection 205.7(b) until the employee has accrued 18 months' classification seniority as an Apprentice Metering Electronics Technician. In addition, the employee will not be considered for automatic progression to Unassigned Metering Electronics Technician under the provisions of the Master Apprenticeship Agreement until the employee has accrued 24 months' classification seniority as an Apprentice Metering Electronics Technician.

Note: An apprentice qualifying test and comprehensive study guide will be established by written agreement between Company and Union under the provisions of Section 205.11.

Wage Rate

Start	\$669.20
End 6 Mos.	680.35
End 1 Yr.	698.95
End 18 Mos.	727.35

Company further proposes, pursuant to Section 205.11, adoption of the attached Study Guide for Metering Electronics Technician Qualifying Test and Qualifying Test to be given to employees, applicants, or new hires wishing to enter the classification. Test procedure shall be as set forth in LA 86-25-PGE.

For the initial institution of these classifications, Company will establish a Metering Electronics Technician vacancy in the East Bay Meter Test and Repair facility to be filled in accordance with the provisions of Title 205.

Company will develop guidelines for the Apprentice Metering Electronics Technician Program and within three months submit it to the Union. When agreed to, an Apprentice Metering Electronics Technician position in the East Bay Meter Test and Repair facility will be established and filled.

If you are in accord with the foregoing and the attachments and agree thereto, please so indicate in the space provided below and return one executed copy of this letter to the Company.

Yours very truly,

PACIFIC GAS AND ELECTRIC COMPANY

By *W. B. Wright*  
Manager of Industrial Relations

The Union is in accord with the foregoing and the attachments and it agrees thereto as of the date hereof.

LOCAL UNION NO. 1245, INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS, AFL-CIO

*June 22*, 1987

By *Joe Welch*  
Business Manager

STUDY GUIDE  
FOR  
METERING ELECTRONICS TECHNICIAN  
QUALIFYING TEST

11/13/88

ABOUT THE TEST

60 questions.

70 percent correct overall required to pass with no less than 60 percent correct in any category.

A maximum of three hours will be allowed to complete the test.

The questions will be selected from the categories according to the following:

AC-DC Theory	10 questions
Electronic components	10 questions
Electronic circuits	30 questions
Test and troubleshooting	10 questions

MATERIAL COVERED IN THE TEST

I. AC-DC Theory (Circuit analysis, quantitative relationships, calculations, recognition.)

DC circuits  
Single phase AC circuits  
Poly phase AC circuits  
Series and parallel RCL circuits

II. Electronic Components (Characteristics, types, ratings, connections, families.)

Resistors, capacitors and inductors  
Transformers  
Batteries  
Bipolar devices  
IC devices

III. Electronic Circuits (Circuit analysis, recognition, characteristics, connections, functions.)

Oscillators  
Amplifiers  
Miscellaneous circuits  
Power supplies  
Pulse circuits  
Counters  
Registers and adders  
Logic  
Microprocessors

IV. Test and Troubleshooting (Circuits and components,  
repair practices, use of test equipment.)

General  
Grounding  
Components  
Circuits  
Logic  
Test equipment